

Driver Side and/or Passenger Side LED Parking Lights Intermittent Operation When the Headlights are On

Service Category Vehicle Exterior

Section Lighting (ext)

Market USA

Toyota Supports
 ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2019 - 2021	Avalon, Avalon HV	

Introduction

Some 2019 – 2021 model year Avalon and Avalon Hybrid vehicles may exhibit a condition where the driver side and/or passenger side LED parking lights do not fully illuminate when the headlight switch and the engine are on and the vehicle is in reverse. Follow the Repair Procedure in this bulletin to address this condition.

Production Change Information

This bulletin applies to vehicles produced **BEFORE** the Production Change Effective VINs shown below.

- All 2019 – 2020 model year Avalon and Avalon Hybrid vehicles.
- 2021 model year Avalon and Avalon Hybrid vehicles produced **BEFORE** the Production Change Effective VINs shown below.

MODEL	MODEL YEAR	VDS	PRODUCTION CHANGE EFFECTIVE VIN
Avalon HV	2021	AA1AB	4T1AA1AB#MU002937
		CA1AB	4T1CA1AB#MU002956
		DA1AB	4T1DA1AB#MU002952
		EA1AB	4T1EA1AB#MU002955
		JA1AB	4T1JA1AB#MU002977

Driver Side and/or Passenger Side LED Parking Lights Intermittent Operation When the Headlights are On

Production Change Information (continued)

MODEL	MODEL YEAR	VDS	PRODUCTION CHANGE EFFECTIVE VIN
Avalon	2021	AZ1FB	4T1AZ1FB#MU059379
		CZ1FB	4T1CZ1FB#MU059453
		DZ1FB	4T1DZ1FB#MU059406
		EZ1FB	4T1EZ1FB#MU059392
		FZ1FB	4T1FZ1FB#MU059381
		GZ1FB	4T1GZ1FB#MU059347
		HZ1FB	4T1HZ1FB#MU059437
		JZ1FB	4T1JZ1FB#MU059424
		KB1BB	4T1KB1BB#MU001784
		LB1BB	4T1LB1BB#MU001785
		NB1BB	4T1NB1BB#MU001778
		BZ1FB	4T1BZ1FB#MU059399

Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
EL1963	Replace the Headlight Assembly FBD Module (Both Sides)	2.0	81107-07210	87	74

APPLICABLE WARRANTY

- This repair is covered under the Toyota Basic Warranty. This warranty is in effect for 36 months or 36,000 miles, whichever occurs first, from the vehicle's in-service date.
- Warranty application is limited to occurrence of the specified condition described in this bulletin.

Driver Side and/or Passenger Side LED Parking Lights Intermittent Operation When the Headlights are On

Parts Information

PART NUMBER	PART NAME	QTY
81107-07210	Full Beam Driver Module (FBD) L & R	2
90069-32108	Screw	6

Repair Procedure

1. Taking ALL safety precautions, confirm the condition exists.

CAUTION

It is recommended this step be completed by two technicians as the vehicle engine will be ON and the vehicle will be in reverse.

NOTE

As the condition is intermittent, repeat step 1 three times to ensure the condition exists.

Do the driver side AND passenger side LED parking lights fully illuminate when the headlight switch and the engine are ON and the vehicle is in reverse?

- **YES** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.
- **NO** — Continue to step 2.

2. Remove BOTH headlight assemblies.

Refer to TIS, applicable model and model year Repair Manual:

- 2019 – 2021 Avalon and Avalon HV:
Vehicle Exterior – Lighting (Ext) – [“Lighting \(Ext\) Headlight Assembly: Removal”](#)

3. Perform the following action on BOTH headlight assemblies:
 Uninstall the Full Beam Driver (FBD) module from the headlight assembly.

NOTICE

Place the headlight assembly on a clean and soft surface so the bottom of the light is exposed, and the lens is NOT damaged.

Driver Side and/or Passenger Side LED Parking Lights Intermittent Operation When the Headlights are On

Repair Procedure (continued)

- A. Identify the FBD module on the headlight assembly.

Figure 1.



1	FBD Module
----------	-------------------

- B. Using a standard T20 screwdriver, remove the three T20 screws from the FBD module.

Figure 2.



1	T20 Screw
----------	------------------

Driver Side and/or Passenger Side LED Parking Lights Intermittent Operation When the Headlights are On

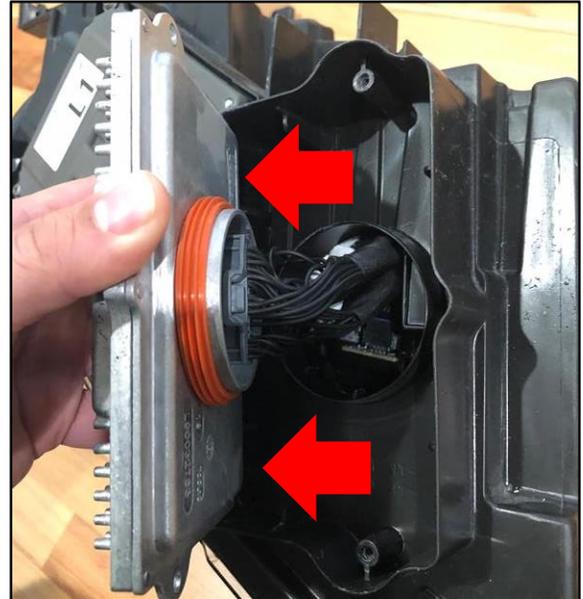
Repair Procedure (continued)

- C. Remove the FBD module from the headlight assembly.

NOTICE

Do NOT stress the wires when disassembling.

Figure 3.



- D. Depress the connector locking tab and pull it away from the FBD module.

Figure 4.



1	Connector Locking Tab
----------	------------------------------

Driver Side and/or Passenger Side LED Parking Lights Intermittent Operation When the Headlights are On

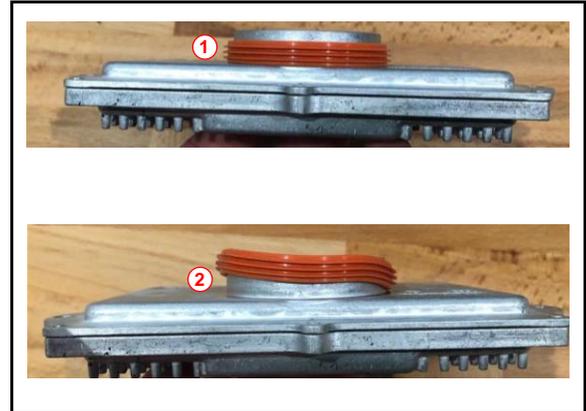
Repair Procedure (continued)

4. Install the NEW FBD module.
 - A. Confirm the FBD module seal position on the NEW FBD module.

NOTICE

Confirm the FBD module seal is **FULLY** flush with the FBD module body along its full seal mounting surface (diameter).

Figure 5.



1	Correct Seal Position (Fully Flush With the FBD Module Body)
2	Incorrect Seal Position (Not Fully Flush With the FBD Module Body)

- B. Line up the FBD module with the headlight assembly mounting feature as shown.

Figure 6.

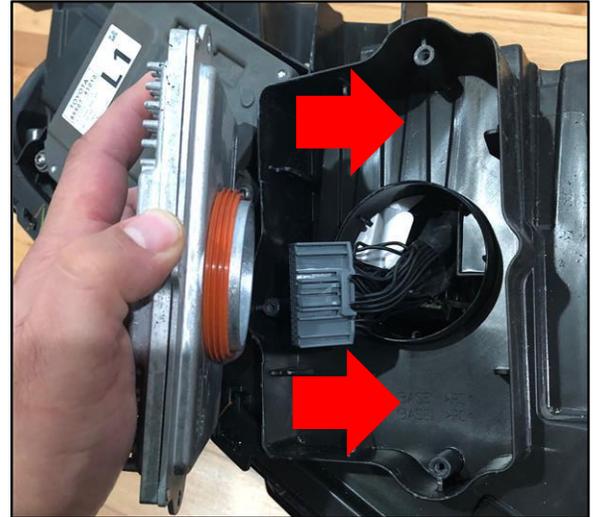


Driver Side and/or Passenger Side LED Parking Lights Intermittent Operation When the Headlights are On

Repair Procedure (continued)

- C. Flip the FBD module over as shown. Ensure to leave enough hand space for the connector installation.

Figure 7.



- D. Plug the harness into the NEW FBD module.

NOTICE

Listen for a click and pull slightly on the connector to ensure it is FULLY seated and locked in place.

Figure 8.



Driver Side and/or Passenger Side LED Parking Lights Intermittent Operation When the Headlights are On

Repair Procedure (continued)

- E. Place the NEW FBD module into the headlight assembly.

NOTICE

Ensure there are **NO** wire harness wires trapped between the FBD module and the headlight assembly mounting feature.

Figure 9.

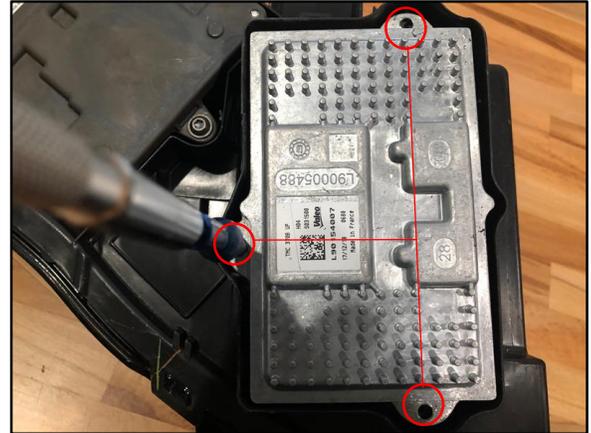


1	Potential Pinch Surface
----------	--------------------------------

- F. Install the three T20 screws to secure the FBD module to the headlight assembly.

Torque: 17 in-lbs

Figure 10.



- G. The FBD module installation is complete.

Figure 11.



Driver Side and/or Passenger Side LED Parking Lights Intermittent Operation When the Headlights are On

Repair Procedure (continued)

5. Install BOTH headlight assemblies.

Refer to TIS, applicable model and model year Repair Manual:

- 2019 – 2021 Avalon and Avalon HV:

Vehicle Exterior – Lighting (Ext) – [“Lighting \(Ext.\) Headlight Assembly: Installation”](#)

NOTE

AFTER installing the headlight assembly, ensure ALL applicable Repair Manual procedures are followed (e.g., Initialization Procedure, Headlight Aiming Procedure, etc.).

6. Confirm the condition is no longer present.